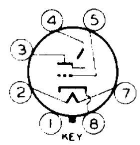
1629

ELECTRON-RAY TUBE

INDICATOR TYPE WITH TRIODE UNIT

Heater	Coated Unipotential Cathode	
Voltage	12.6	a-c or d-c volts
Current	0.15	amp.
Overall Length		3-15/16" ± 3/16"
Seated Height		3-3/8" ± 3/16"
Maximum Diameter		1-3/16"
Bulb		T-9
Base		Small Shell Octal 7-Pin

Pin 1 - No Connection
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Target
Pin 5 - Grid
Pin 7 - Heater
Pin 8 - Cathode



BOTTOM VIEW (7AL)

Mounting Position: Any▲

Maximum and Minimum Ratings Are Design-Center Values

INDICATOR SERVICE

Plate-Supply Voltage	250 max.	volts
Target Voltage	250 max.	volts
	125 min.	volts
D-C Heater-Cathode Potential	90 max.	volts

Typical Operation:

Plate and Target Supply Voltage	200	250	volts
Series Triode Plate Resistor□	1	1	megohm
Target Current † ◇	3	4	ma.
Triode-Plate Current◇	0.19	0.24	ma.
Triode-Grid Voltage (Approx.)			
For shadow angle of 0°	-6.5	-8.0	volts
For shadow angle of 90°	0	0	volts

□ Designated as R in the circuit diagram under Type 6E5, in the Receiving Tube Section.

† Subject to wide variation.

◇ For triode-grid bias of 0 volts.

▲ The plane of the ray-control electrode passes through the tube axis and base key.

Curves for Type 1629 are the same as for the 6E5 in the Receiving-Tube Section.

← Indicates a change.

JUNE 30, 1944 — DATA

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

1629

ELECTRON-RAY TUBE

